

## Product datasheet for **RG222527**

### MSMP (NM\_001044264) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** MSMP (NM\_001044264) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** MSMP  
**Synonyms:** PSMP  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG222527 representing NM\_001044264  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCCTAAGGATGCTCTGGGCTGGACAGGCCAAGGGGATCCTAGGAGGCTGGGGATCATCTGCTTGG  
TGATGTCTCTACTCCTCCAGCACCCAGGAGTCTACAGCAAGTGTACTTCCAAGCTCAAGCCCCCTGTCA  
CTATGAGGGGAAATATTTACCCTGGGTGAGTCTTGGCTCCGCAAGGACTGTTTCCATTGCACCTGTCTG  
CATCCTGTTGGCGTGGGCTGCTGTGACACGTCCCAGCATCCATCGACTTCCCGGCTGGGTGTGAGGTAC  
GTCAGGAGGCAGGAACCTGCCAGTCTCCTTGGTGCAAAAATCTGACCCTCGGCTGCCCTGCAAAGGGGG  
AGGGCCTGACCCAGAATGGGGCTCAGCCAACACCCTGTTCTGGGGCTCCTGCTCCCACTCCAGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >RG222527 representing NM\_001044264  
Red=Cloning site Green=Tags(s)  
MALRMLWAGQAKGILGGWGIICLVMSLLLQHPGVYSKCYFQAQAPCHYEKGYFTLGESWLRKDCFHCTCL  
HPVGVGCCDTSQHPIDFPAGCEVRQEAGTCQFSLVQKSDPRLPCKGGPDPEWGSANTPVPGAPAPHSS

**TRTRPLE** - GFP Tag - V

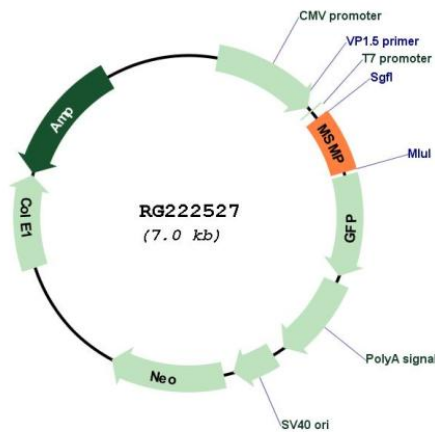
**Restriction Sites:** Sgfl-Mlul



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**Cloning Scheme:**

Cloning sites used for ORF Shutting:


**Plasmid Map:**

**ACCN:**

NM\_001044264

**ORF Size:**

417 bp

**OTI Disclaimer:**

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001044264.3</a>
<b>RefSeq Size:</b>	672 bp
<b>RefSeq ORF:</b>	420 bp
<b>Locus ID:</b>	692094
<b>UniProt ID:</b>	<a href="#">Q1L6U9</a>
<b>Cytogenetics:</b>	9p13.3
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	This gene encodes a member of the beta-microseminoprotein family. Members of this protein family contain ten conserved cysteine residues that form intra-molecular disulfide bonds. The encoded protein may play a role in prostate cancer tumorigenesis. [provided by RefSeq, Jan 2011]